APPROVED	O.G. F	IG.
BY	CLASS	SUBCLASS
DRAFTSMAN		

Appln No.: 08/862,442 Page 1 of 20
Apple ant(s): Andrew W. Shyjan
COPOSITIONS AND METHODS FOR THE DIACESIS,
PREVENTION AND TREATMENT OF TUMOR
PROGRESSION

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FIG. 1

LANE 3
LANE 3
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**表表** 1.436

FIG. 4

APPROVED	O.G. FIG.						
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Applin 10, 28/862,442 Page 2,420
Application: Andrew W. Shyjan
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PREVENTION AND TREATMENT OF TUMOR
PROGRESSION

FIG. 2

GGTGCTGGAGTACCTCATGGGCGGTGCCTACCGCTGCAACTACACTCGGAAAAGCTTCCGGACTCT CTACAACAACTTGTTTGGCCCTAAGAGGGTAGAGCTCAGCAGACACACAGTGTCCTGTGCCTCCC AGAGTAACATGTGGTTCCTTGATGTGCTTCCCCAAAAGCCCACCTGTGCAGAATG (SEQ ID NO: 1)

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•	APPROVED	VED O.G. FIG.					
	ВУ	CLASS	SUBCLASS				
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Applicant (s): 08/862,442 Page f 20
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COMPOSITIONS AND METHODS FOR THE DIAGNOSIS,
PREVENTION AND TREATMENT OF TUMOR
PROGRESSION

80 160 240 320	380	440	200	560 80	620	680	740	800 160	860 180	920
AAGAGGCTAGGCTGCACCCTTCCCGCTTGCTCAGCAGGTGAGGGGTCAGAAAGCATGGATAGAGAAAGAA	AAG K	TTC	ACC	GAT D	CCC A	c c	ATC	CTT CGA AGA CAG'CTG L R R Q L	GTG V	GAA
ACAT CCAG NATG	GTG V	AGC	ATG M	9 9 9	ÇÇ V	TAT Y	TTC	CAG O	GTC V	¥ ×
TAAC	ATG M	CAA	00CC	GTG V	ATT	GTC V	CAC ≖	AGA R	CC P	CIC
TCAC	C CIC	CIC L	GCT A	CAT H	<b>5</b> 50	AGA R	ACT	CG∳ ™	GTA V	TAT Y
CAGC	CAC	ည ဗ	AAG K	S S	ATA GGA I G	ACA	CAC	CTT	GGT	GAG
GCAT TOGT ACAC	CTG CTC CAC CTC	GGA G	ATC I	GTC V	GCT A	CTA V	AAT TCC N S	AAG K	CAG	CTG
GCAG	CTG	CAC H	ر 1	GTC V	TGT	GAT D	N. N	org v	ည္တ ၁	GTC V
GCAG	TCC	STG V	GGT G	C CG	CIC CIC	AAA GAT K D	Z Z	CAG E	CIG TIG	ATC
CAGA	ACC AAG CCA GAT TCC T K P D S	TCT S	X X	ACT	900 ×	g G	C.I.C	TAT GGT GCT GAG GTG Y G A E V	A GG	TCT S
CAGC CTAP GACP GATT	CCA P	ATA I	9 9 9	AGC S	ပ္တတ္	ATT	2 >	o G	ACA	д 2
AGACC GACC AGAC ATGO	AAG K	171G	Terr	GTG V	AGA GGC R G	ر د ا	TCT	TAT Y	N AAC	GTG V
CAGO	ACC T	C C	GTG V	o G	TCC	GAC	CIC	AAG	ATC	AAC
TCCT GTAC ACAA	GAC	AAG	CAG	ဗွ် ဗ	AAG K	GAA	AAG K	၁ ၁	AAG K	CCT
CCCA	TAC Y	CCG	AAG K	ACC T	TCC	AAG	AGC S	ر رياو	CAG	150 0
AATT CTCC TACC	TCC	CIC L	AAA CTG K L	TTC	TCC	N A	cer ere	ACC	CIG	GGT
ACCC TTGT GGGG GAGC	GTC V	GAG	X XA	ATC	CAC	GAG	CCT	ည ဗ	rcc crg s L	GI'A GAA GGT V E G
AAGGAGGCTAGGCTGCA AAAAGGGAATGCATCTT CCCCCCTTTGCCGAGTC TCAGCAAACACACCCAC		CTG	TCC S	3 JGG	GAC	STG >	AAC	A AC	ATC	S-I'A
TAGG ATGC TGCO	ATC	CAG	CAG	OCG GCG TOG	AAA GAC K D	ATG	TCC S	GAC AAC D N	CAC	ous /
AGGC GGGA CCTT	TAC	302 3	ATG M	900	TTG	200	ATG '	CCT A	AAA K	CTA GTG
AAGGAGGCTAGGCTGC AAAAGGGAATGCATCTT CCCCCCTTTGCCGAGTC TCAGCAAACACACCCAC	ATG TAC ATC CGA M Y I R	GAC 7	GAG E	ACG T	000 V	20 20 30 30 30 30 30 30 30 30 30 30 30 30 30	ACC /	177G C	GAA 1	၁၂

### FIG. 3A

Apple No.: 08/862,442 Page 4 of 20 Apple Int(s): Andrew W. Shyjan COMPOSITIONS AND METHODS FOR THE DIAGNOSIS, PREVENTION AND TREATMENT OF TUMOR PROGRESSION

980 220 1100 1160 280 260 1220 300 1280 320 9 5 0 ACC T ¥ ¥ GAC or S AGC S ~ ď 0 0 0 8 ATA ¥ \$ TCC S GAC **200** ₹ 930 ы ы TCC S ACC GAG S S S មា A AC GIG AGT S დ დ g ξ E ري د ريو CCA P GAG E E SA धु Ö AAT 320 O AAG K 01.5 < E ഥ AAG K Σ X A CCA P AGC S GAA E g ဗ ω GAG E AAG K × GAT D AAG X Ø F ව්

## FIG. 3B

Appln No.: 08/862,442
Page 5 of 20
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MPOSITIONS AND METHODS FOR THE DIAMOSIS,
PREVENTION AND TREATMENT OF TUMOR
PROGRESSION

1520 400	1580	1640	1700 460	1760 480	1820 500	1880 520	1940 540	2018
CTA L	CTC L	CAT H	ATT I	CGG R	AGA R	AAG K	t oct	CCCAGTGCAGGCCTCCTAGCTTTCACATGCAGCCATTCACATCGCCTCTCAAGACTGGGCCAGGC 2018 (SEQ ID NO: 3)
ट्राट ^	TTC	CTT	CIC	ACT	AGC	C C	P P	3333
CIT	CAT	ACC T	AGC S	TÀC Y	GAG CTC E L	CCC P	ACC	SACTY (SE(
S CC	CAS O	AAC N	ATC I	AAC	GAG E	CTT	ATC	ICAA(
GAT D	ATG M	CCA P	CAC H	ည်	GTA V	orc v	GAC D	CCIC
CTG L	AAC N	25 <b>a</b>	TAC Y	2 2 2 3	AGG R	GAT D	CAA ACT GAC ATC Q T D I	ATCG
ATC	6 <u>7</u> 2		GAT	TAC Y	AAG K	CTT	o o	TCAC
OC <b>⋖</b>	g G	CIG	CCT	OCC <b>₹</b>	CCT	TTC F	TCC S	CCAT
CAA	AAC N	AGA R	CCA	GGT	ပ္ပို့	w TGG	CTG	GCAG
GAG	ATT GAA I	ACC	CTT	၁၁ ၁	TTTT F	ATC M	CAC	ACAT
010 1	ATT I	AAC N	AAC N	ATG M	TTG	AAC	TCA CCT S P	TTTC
GCC A	CTG L	CTA TAC	AGC S	CIC	AAC	AGT S	TCA S	TAGC
AAT	CIC L	CTA	AAG	TAC	AAC N	CAG	a s	CICC
GTG V	AAG K	GAG	AAG	GAG	TAC	TCC	AAC	) )
TGG W	GTA V	GAG E	GTA V	71 1	CIC	GCC A	200	TGCA
AAC N	TTT F	CIG	GAT D	6.TG >	ACT T	TGT C	GAA	CCAG
C L	GAC	AGG R	8 8 8	CIG	CGG ACT	TCC	GCA A	ర్
CTG L	GTG V	900 1	GTG V	<b>6</b> 50	TTC	GTG V	13 C	TGA.
	9 20 20		CTG L	ATA I	AGC S		ACC	· CCC
CH	GAT D	ACC 1	CTG	GAT D	A A	CAC	000 P	CTC

2258 2338 2418 2498 2578 2658 2730 2178 AGTGCAACCTGTCAAGCATGTCTGTCCTCCCTTCCTTACAATAGCCCCCCTCTGGGCCCCATGCCTCTGCTTCTCTCT AGCCCGTTCTCCTCCCCACTGATCACTGGCGCTCCTGTTGTCTTCCAAGGCAAGGAACAAGGAAAAAGCATCTTTTTGCCC CAAGCCTTCCCCACCTATCCCAATAGACCCTATTCCTCCATCAAAATCAAAGCTAACTCCTGGCCTGCCACATTGCTTC TICITIGCTCCAGCCTGTTAAACCTCCAATAAATGTCAGATCTGTGGGAAGCCTTCCTCACTCTCACTCCACAGTTTGTAC AGAGAGCGAGAGCCTCGTTTGGTTCTACTTACAAĞGAAGGCTTTGTGTCTGTCTGTCCTTCCCAACTGACTTCTGTTGAC ACAAAAGTTTAAGGGCTCCCCGCTGTTCAACCATAGCCAACCTCACTGTACATCGGAGTCATCCAGGCCAGCTGCCACACA **ATTTACTATATATACCTTTGTCATTCTGTGGAAGCAAAAATTTGCAATGTTTTTCCATGAATAAAGCTCGTGCC** 

FIG. 3C

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(SEQ

Apply No.: 08/862,442 Page 6 of 20 Apply (s): Andrew W. Shyjan COMPOSITIONS AND METHODS FOR THE DIAGNOSIS, PREVENTION AND TREATMENT OF TUMOR PROGRESSION

240

80

100

120 360 160

480

140 420 180 540 200

GAA

CA.

Y L TAC CTG

GAA

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GIG

GIG

AAC AAC

CC TO

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GTG

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CTGTGGCCAGTTCACCAACCAGCATATCCCCCCTCTGCCAAGTGCAACACCCAGCAAAAATGAAGGAAAGCAAACAG A A A P P CAG **AATCTTIGGATAGAGAAAACCTTTTIGCAAACGGGAATGTATCTTTIGTAATTICTAATTTCCTAGCACGAAAGACTCTAACAGGTGTTIG** STGGAGACTCAGCCTGAGAAATGGTCTGTTGCAAGCACACCCAGAGCTACCCAACAGATTCCTATGGAGTTCTTGAATT F T ACC GAT IATC r G V GTG N AAC A C Y M ATG ပ ဗွ F CTG CFC C.A.G GCT P I ATT v GTG GTA CAC AGG ۳ در œ > A I G GCT ATA GGA A CIC AGA L N N S H T CTC AAC ACC Ę CAC V GTG Ø 24 V T GTA ACA A ပ ဗ္ဟ H AAG s AGC CTG ი წ u × ATC 83 I ATC AAG CAG G × GAT H CIG ပည္သီ GTG V GTT ი წ > org org ပ္ပ V GTT AAG GAG G GGT تا ئۇ ы ტ s TCT AAA ი **გ ₹**00 ACA ස හි R AGA × ATA 9 SPT < org STG မ္မ ဗ ဗွ s AGC ACA T ტ O L L CTC TTA A TTT AGA CTG s TCT TAT or CTC AAC AAC × [I4 n Si GIC s Tcc GAC AAG ဂ ည် I ATC > × GAC DAC AAG. K AAG αŊ AAG ი გ မ္ပ GAA AAG Ö CCAGGGTGGCGGATATTCCAATAAAGCC L S CTA AGT 1 TAT ر ال AAA ACC. s TCC k AAG 513 og gg Ч × Cic Cig N AAT F F အ Tcc ACC A J S GAA AAG I ATC H S GAG CCT ဗ္ဗ နှင့် × ტ crg cr ပ္ပ TG ≅ GAC orc CTG AAC AAC N AAT I ATC Д o 89 တ ဗွ A A A **₹** Ω I ₹ TG r Tg ATG ი გ ი წ ATG Ş AAG Æ, Σ × ATG GAT 3AG ₽CC ₽ 200 **≥** 5 Sig GAA П ш ш

## FIG. 5A

Appln No.: 08/862,442
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OMPOSITIONS AND METHODS FOR THE DIAGNOSIS, Page 7 of 20 PREVENTION AND TREATMENT OF TUMOR **PROGRESSION** 

220	240 720	260	280 840	300	320 960	340 1020	360 1080	380 1140	400
S TCC	L CTT	A GCA	E	S	CAG	S AGC	A A A	රිගී	>
$\Gamma$	Q CAG	F	S	V GTA	SAGC	D GAC	ე <b>გე</b>	P CCC	IJ
IATC	E GAG	$^{ m L}_{ m CTG}$	GGT	N AAC	R CGA	TACG	R AGA	D GAC	Ø
GAC	R AGG	CAG	M ATG	ACA	& GCA	P	ල සුවූ	T ACT	Ω
s TCG	L CTC	H CAT	R AGA	ල දු	I ATA	P	g GGA	E GAA	ı
A GCC	s TCC	s TCA	F	K AAA	DGAC	A GCA	K AAG	E GAA	Σ
R CGT	E GAG	CA C	V GTG	r CTG	v GTG	L CTG	ACC .	E GAG	Æ
ი წ	N AAT	A CA	T ACT	7 S	<b>ო</b> ე	s AGC	T ACC	v GTG	ø
s AGC	I ATA	K AAG	V GTC	ور 20	N AAC	G GGA	ه 9	E	Щ
ဗ ဗွ	I ATA	N AAT	r CH	TACT	¥ 7 TGG	L CTG	M ATG	E GAG	LI.
D GAT	ი გ <b>ვ</b>	Y TAT	E GAA	r TTA	A GCT	P CCC	မ	AAA	æ
ာ TGT	ა გგ	N AAT	K AAA	I ATT	L CHI	T ACG	G P	V GTG	z
I ATT	E	F	K AAG	A CA	≱ දි	w TGG	K AAG	K AAA	>
v GTG	E GAA	T ACA	K AAG	M ATG	I. TTG	H	K AAG	უ ეტ	Z
V GTG	C TGT	K AAA	M ATG	E GAG	S AGC	P CCC	E GAG	K AAA	z
P CCT	Y	O SS	၁ဍ	I ATC	r CTG	ე ეტ	K AAG	A.A.G	ឯ
I ATC	K AAG	I ATT	E GAG	D GAC	CAG	F	GAG	AAG	ы
P CCC	CAC	T ACC	M ATG	כז		V GTC	T. ACG	ာ <u>ပွ</u>	ធា
PCCT	& <del>Q</del>	V GTT		Q CAG					н
E	F		I	ပ ဗွ		-	_	999	×

Appln No.: 08/862,442 Pages of 20 Apple of t(s): Andrew W. Shyjan COM SITIONS AND METHODS FOR THE DIAGNOSIS, PREVENTION AND TREATMENT OF TUMOR PROGRESSION

# FIG. 5C

1200	420 1260	440 1320	460 1380	480 1 <b>44</b> 0	500 1500	520 1560	540 1620	560 1680	580 1740	600	620 <b>1860</b>
GTC	F	Ciri	CTC	T ACT	CIT	K AAG	Y TAT	F	K AAG	D GAT	H
TTA	H	T ACA	s AGC	Y TAC	AGCT	K AAA	O CAG	V GTG	Y TAC	L TTG	K AAG
GCT	CAA	N AAC	I ATC	N AAC	K AAA	AAA	F	A GCA	CTC	D GAC	Y TAT
GAT	M ATG	PCCA	H	ာ ၂	P CCT	K AAA	% Q	M ATG	K AAG	Q CAG	S TCC
CTA	N AAC	P	Y TAC	۲ کی ک	R AGG	K AAA	S AGT	K AAA	ပည္ည	S TCC	CAG
ATG	V GTG	G GGT	D GAT	Y	K AAG	K AAG	V GTG	CAG	₹ 200	IATC	D GAC
900	ი <b>ცვ</b>	L CTG	CCT	<b>₽</b>	P CCA	<b>ა</b> წ	A GCC	ო ეე	∨ GTG	DGAC	TTA .
GAA	N AAC	R AGA	P CCG	G GGA	ი <b>ფგ</b>	A A A	P	K AAA	r CHG	DGAT	L
GAG	E GAA	T ACA	L	G GGA	F	A GCT	DGAC	MATG	A ၁၁	V GTG	E GAG
TTG	I ATT	N AAC	N AAC	M ATG	L TTG	P CCA	D GAC	CTG	K AAG	CIG	ITG.
GCT	r CTG	Y TAT	SAGC	L CTC	N AAC	P	V GTG	V GTG	ه 9	D GAT	A GCT
AAT	L CTC	L	k AAG	Y TAC	N AAC	E GAG	D GAT	A GCA	M ATG	S AGT	CTT
GTG	K AAG	E GAG	K AAA	E GAG	Y	D GAT	I ATT	¥ 7GG	s AGC	E GAG	CAG
736	or c	E GAG	V GTG	r Cife	Cir	D	D GAC	v GTG	E GAG	s TCC	ပ ပွ
AAC	F	r CTG	D	V GTG	T ACC	E GAA	I ATC	M ATG	GAA	s Tcc	F
CTG	D GAC	R AGG	R AGG	r CTC	7 S	M ATG	E GAG	TIG.	ပ ဗွ	EGAG	D GAC
CTG	V GTC	P CCG	v GTG	უ ეტე	F	ი <b>გ</b>	GAA	EGAG	CG.	H CAC	AAA
GAG	RCGT	I ATT	r CTG	I ATC	N AAC	r Cirg	E GAG	H	CAG	A GCC	S
ATA	D GAT	T ACC	r CTG	DGAC	K AAA	CIT	K AAG	F	¥ TGG	MATG	N AAT
AAG	L	CTG	H CAT	I ATA	% D	AAA .	X AAA	ر ا ا	L CHC !	A GCC	N AAC
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Appln No.: 08/862,442

Page 9 of plicant(s): Andrew W. Shyjan

MPOSITIONS AND METHODS FOR THE DINONOSIS, PREVENTION AND TREATMENT OF TUMOR PROGRESSION Page 9 of 20

7	5,7	5D
AGC	K AAA	(5
GTG	O K CAG AAA	FIG
ATC	S AGC	
TCC TAC ATC GTG AGC	Cic	
TCC	K AAA	

640 1920	660 1980	680 2 <b>04</b> 0	700	720 2160	740	760	780 2 <b>340</b>	800	820 2460
T	Q CAG	K AAG	D GAT	N AAT	K AAA	K AAG	L	s AGC	A A A
S TCG	S AGC	CTG	Y TAT	E GAA	AAA	V GTC	I ATC	V GTG	C.A.G
N AAC	ာ Tgc	ი ემ	T ACA	E GAG	H CAT	I ATT	V GTC	I	s AGC
s AGC	TACC	P CCC	ස රිට	E GAA	E GAG	PCCC	Y TAC	Y TAC	n Ci
₩ TGG	H CAC	N AAC	F	K AAA	N AAC	A GCG	N AAC	S TCC	X AAA
AAC	A GCT	K AAG	E GAA	E GAA	E GAG	N AAC	F TYP	IATC	ဗ ဗ္ဗ
A A A	I ATT	۲ کو	13 E	K AAA	E GAG	Y TAT	L Circle	V GTC	P CCA
r Green	F	M ATG	F	ဗ ဗွ	D GAT	F	1 ST	I ATC	E GAA
E GAG	D GAC	ස රිටු	L TTG	D GAT	ა ეტ	AAA	L CTG	ĭGG	S
Y	දි දි	L CTG	I ATC	E GAG	K AAG	c TGT	Y TAC	E GAG	M ATG
T ACC	H	R AGA	T ACC	N AAC	R AGA	I ATC	ი ეგ	Q CAG	r CTC
L CTG	K AAA	G GGA	P CCC	E GAA	s TCA	K AAA	L TTG	L CTC	I ATC
CIC	A GCC	M ATG	P	K AAG	ဗ ဗ္ဗ	T ACA	Y TAC	s TCC	E GAG
K AAA	& SCA	¥ TGG	L CTA	s TCC	A GCT	G GGA	S	P	R GA
MATG	V GTG	M ATG	L	T ACA	D GAT	I ATC	I ATA	¥ TGG	I ATA
GCT T	A GCC	D GAT	I ATT	CAA	& SCA	д ССС	T ACA	ပ္ ည	K AAG
IATC	CTG	ACC .	ပ ဗွ	Y TAT	NAAT	IATC	Y	DGAT	GAG
O S	K AAA	L CTG	MATG	S	A CA	I	F	MATG	T.T.A
E GAG	Citc	L CTG	IATC	F TTC '	D GAT (	AGA .	ĭ ĭĞĞ	200 200	v 800 800
GAC (	၁၅	M ATG (	V GTYT 2	D GAT	T ACG (	CAA	-	_	7 CTC

Appln No.: 08/862,442

Page 10 of 20 Appendix Science W. Shyjan
COM-OSITIONS AND METHODS FOR THE DIAGNOSIS,
PREVENTION AND TREATMENT OF TUMOR
PROGRESSION

840 2520	860 2580	880 2 <b>64</b> 0	900 2700	920 2760	940 2820	960 2880	980 2940	1000	1020 3060	1040
F	M ATG	A GCC	P CCC	I ATT	I ATC	CIG	S TCC	V GTC	ဗ ဗ	F
ACA	DGAC	CAA	M ATG	E GAA	C TGT	I ATC	I ATA	P CCA	SAGC	r Sic
S	I ATC	R CGT	Y TAC	MATG	P	N AAC	s TCA	AGG	L CTC	K AAG
I ATT	M ATG	A SCC	F	A GCC	PCCT	A GCC	K AAA	D GAC	R CGT	r Tr
A GCC	M ATG	V GTA	I ATC	Y TAC	L	V GTC	V GTA	н САТ	M ATG	<b>ი გ</b> მ
v GTG	A.A.G	g GGA	N AAC	CTC	8 8 8	L	E GAA	F	I	R CGT
CIC	G GGA	F	R CGA	DGAC	K AAG	L	F	ACA	IATC	GAT
D	I ATT	S AGT	A GCC	I ATA	ပ ဗွ	Y TAT	F	MATG	I	7 2 2 3 3
T ACA	M ATG	M ATG	L CTG	CAG	E GAG	ပည္သို့	TACC	I	Y	E GAA
I ATC	M ATG	CTC	K AAA	D	E	A GCG	NAAT	L CHG	IATC	E
N AAC	V GTG	V GTG	W TGG	A GCA	DGAT	MATG	N	CAG	H	CAA.
₩ TGG	S	V GTC	S TCT	F	Y TAT	ri Off O	F	Y TAT	S	DGAC
Y	R AGA	CTG	CCC	V GTG	L	A S	V GTG	R CGA	TTA	ပ ဗွ
GAG	T ACG	M ATG	K AAG	E GAG	N AAC	P. CCA	A GCT	CAG CAG	I ATT	E GAA
CAG	A GCC	I ATC	E GAG	GGA	E GAG	T ACT	I ATT	F	IATC	R AGA
CTT	MATG	V GTC	E GAG	Y TAT	G GGT	r CHC	r CfG	K AAG	MATG	K AAG
W TGG	GCA GCA	V GTG	P CCA	I ATC	C TGT	™ TGG	CTG	w TGG	P CCG	K AAA
V GTT	GGA	F ITT	H	M ATG	PCCT	A 2000	N	V GTG	P CCA	R AGG
AAA	I ATT	Y TAC	$^{ m L}$	¥ 7GG	P	ဗ ဗွ	V GTG	CAG	СССС	ပည္ဆ
I ATC	MATG	r Cire	I ATT	Y	N AAT	P CCC	L CTG (	N AAC (	L CTG (	۳ کی در
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Appln No.: 08/862,442

Page 11 of 20

icant(s): Andrew W. Shyjan

COMPOSITIONS AND METHODS FOR THE DIA

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PREVENTION AND TREATMENT OF TUMOR

PROGRESSION

1060 3180	1080 3240	1100 3300	1120 3360	1140 3420	1160 3480	1180 3540	1200 3600	1220 3660	1240 3720
7)	<b>-</b>	<i>(</i> h	<b>~</b>	<b>(D</b>	<b>7</b>	<b>.</b>	-	_	_
H CAC	S	M ATG	r Aga	ж СС	S	D GAT	I ATA	L	L TTA
E GAG	TACT	F	N AAC	A GCA	n AAT	E GAG	R CGT	H	D GAC
CAG	V GTC	T ACT	S TCT	CAG	I ATC	F	F	L	D GAT
V GTG	8 8 9	E GAA	L TTA	I ATC	s AGC	L TTA	S TCC	S AGT	V GTA
၁ ညီ	I ATC	R AGA	E GAA	L CTG	S AGC	L TTA	C TGT	N AAC	₹ <b>%</b>
CAG CAG	ස හි	E GAA	E GAA	D GAC	CAA	E GAG	TACC	CAG	CTT
E GAG	E GAG	N AAT	L CTA	S TCT	R CGG	E GAA	ж Ада	$\Gamma_{\overline{G}\overline{I}}^{C}$	H
E GAG	D GAC	I ATC	CAG	R AGG	r Circ	g GGA	K AAA	E	S AGT
F	s AGC	E	A GCT	D	Cir	N AAC	R AGG	PCCA	ပ ပ္ပ
GAG	S TCC	E GAA	Ciri	I ATC	$^{ m Y}$	F ITT	V GTC	V GTC	DGAT
H	S TCG	L TTG	R CGA	G GGA	T ACG	H CAT	ა <b>გ</b>	L	P CCA
CIG	O CAG	R AGG	L CTT	A GCG	A GCA	Y TAT	T ACA	H	TACC
AGG	Q CAG	M ATG	D GAC	CTT	EGAG	R	ი გმ	T ACG	A SCA
K AAG	E GAG	S	V GTT	N AAT	$^{\circ}$	Y TAT	P CCA	AAA AAA	S
LCTA	D GAT	M ATG	T ACT	GAA	E Gaa	r TTG	s TCA	V GTG	ACA
E GAG	E GAG	N AAT	C.A.G.	L	S	S AGC	T ACG	D	S
E	K AAG	E GAA	r CTG	A GCT	s TCT	Y TAC		K AAG	T ACA
GAC	E GAG		s TCC	n AAT	A GCT	ဗ ဗွ		E GAG	
s AGC	ය වි	R AGA	T ACT		ر و و	D GAT (		E GAA (	L CTG (
Ciri	F	E GAA	AAA AAA		S			_	S TCA (

# FIG. 5F

	O.G. FIG.				
ВУ	CLASS	SUBCLASS			
DRAFTSMAN					

Appln No.: 08/862,442
Appli (1985): Andrew W. Shyjan
COMPOSITIONS AND METHODS FOR THE DIAGNOSIS,
PREVENTION AND TREATMENT OF TUMOR
PROGRESSION

	4991	
	GCA GAA GAA AAA AAG GTT AAG AAA GAG AAA GCT TCC ACA GAA ACT GAA TGC TAG TCTGTT	
	TAG	7
	<b>1</b> 90	, K
	GAA	֓֞֜֝֟֝֟֝֟֝ <del>֚</del>
	ACT	ָרָ בַּי
	GAA	) I
	ACA	5
	JCC J	
	SCI	Č
	AAA	
	GAG	
	AAA	i
	AAG	
	GIT	
:	AAG	
:	AAA	
1	GAA	
1	GAA	
	GCA.	,

TTGTTTCTTTAATTTTTTTTTTTTAACAGTCAGAACCACTAATGGGTGTCATCTTGGCCATCCTAAACATCCATC
TTG

TTCCTAAAAACATTTTCCCT (SEQ ID NO: 6)

1260 3780	1280 3840	1300 3900	1320 3960	1340 4020	1360 4080	1380 <b>414</b> 0	1400 4200	1420 4260	1440 4320	1460 4380	1480 4440	1497 4991
												ا ا
E GAA	V GTG	N AAT	D GAT	R AGA	7 T. T. G. T. T. T. T. G. T. T. T. T. G. T. T. T. T. G. T. G. T.	PCCT	CAA	T ACT	PCCA	K AAG	T ACA	NO:
D GAT	DGAT	ACA	CCC	ට දියි	CAA	I ATT	M ATG	I ATT	F	ი გე	M ATG	(SEQ ID NO
D GAT	T ACA	T ACG	F	R CG	CAG	D GAT	D	T ACC	G GGA	Q CAG	ი <b>გე</b>	(SE TAG
E GAA	K AAA	GAA	Y TAT	S	D GAC	T ACA	A S	L	T. C.	I ATT	S	ာ ညီ
K AAG	N AAT	> GTG	က ည	Y TAT	T ACG	S AGC	F T'T'T	S TCC	TACT	s TCC	v GTG	E GAA
S	TTA.	₽ÇA PCA	ACA -	V GTC	I	H	CAG	L TTG	CA K	A A A A	I ATT	T ACT
I ATT	S AGT	L CTA	I	F	s TCA	S TCT	E GAG	۳ ک ک	D GAT	V GTG	v GTA	E GAA
99 9	P CCA	C.A.G.	K AAA	s AGC	SAGT	ස හි	K AAA	PCCT	P CCA	N AAT	L TTA	T ACA
I	S	T ACT	ACC.	R AGA	Y TAC	T ACG	CAA	I ATC	K AAG	R AGG	s Agc	s TCC
DGAT	I ATT	N	GAA	s TCC	E GAG	I ATC	E GAG	R CGA	V GTG	CCT	s AGC	A GCT
д <mark>У</mark>	TACT	CAA	E GAA	K AAG	V GTA	K AAG	A GCT	PCCT	S TCT	H	v GTA	K AAA
ი <b>ე</b>	GAA	V GTT	r Sig	M ATG	D GAT	C. ₹	O &	I ATT	L CTG	ი <b>გე</b>	S AGT	E GAG
ıra Tra	E GAA	D GAT	G P	ACA T	CAG	V GPT	v GTG	& SC	L TTA	H CAT	s AGT	K AAA
AAA AA	X X	s TCA	$_{\mathtt{TAT}}^{\mathtt{Y}}$	AAA	N AAC	C.F.	g A	GAA	N AAC	L TTA	<b>₹</b>	K AAG
s TCA	K AAA	K AAA	S TCC	C TGT	V GTT	ပ ညီ	A GCT	A GCT	E GAA	S AGT	H CAT	V GTT
E GAG	S	D GAC	I ATY	A GCT	უ ე	CAA	GAA	V GTC	M ATG	K AAA	G GA	K AAG
E GAA	D GAC	O CAG	T ACT	N AAT	GGT	w TGG	s TCG	H CAT	ა ეგე	s TCA	s TCT	K AAA
A GCT	T ACA	ი გვ	<sub>0</sub> 9	I ATC	v GIC	E	V GTG	H	n AAT	R AGG	R AGA	GAA
N AAC	CAG	H	GAA	T ACG	r CTG	T ACG	I ATT	E	R AGA	L	D GAC	E
K AAG	R AGA	I ATA	I ATA	E GAA	K AAG	T ACG	Y TAC	D GAT	D	S TCT	L	GCA GCA

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Appln No.: 08/862,442 Page 13 of 20 Appln No.: 08/862,442 Page 13

AGA STTG SCAG	K AAA
GGTC GGTC CAAA	V GTG
GCAG PACA PACA PACA GTTC	M ATG
CTCT	r Si
CTGC AAGA TGAA	CAT CAT
TCCA AAAA GATT	13 E
CCAT TAGC PAGCP	1 5 5
COTCI PACCO	s TCA
STGCC SCAAC BAGCT	GAC GAC
AGCTO VAGTO	අ ඩ්
TTGP GTAT GCCC	A AAG
AGGT CAAT CTCT	₽ SC CC
10000 10000 11100	D GAC
GCCC	Y K TAT
GGCC TTTT TAGC? VATGC	ຮຸ້
CGAGC	> £
GNTC PAGAA CCACC	ېد ژ
TAGG PATAG PAGTT	H
ATTP	M Y I R V S Y D T K P D S L L H L M V K
ACTCATTATAGGGNTCGAGCGGCCGCCGGGCAGGTTTGAGCTGTGCCCTCTCCATTCCACTGCTGTGGCAGGGTCAGA AATCTTGGATAGAGAAAAACTTTTGCAAACGGGAATGTATCTTTGTAATTCCTAGCACGAAAGAAGCAGGGTGTTG CTGTGGCCAGTTCACCAACCAGCATATCCCCCCTCTGCCAAGTGCAACACCCAGCAAAAATGAAGAGGAAAGCAAACAG GTGGAGACTCAGCCTGAGAAATGGTCTGTTGCAAGCACCCAGAGGAACCCAACAGATTCCTATGGAATTCTTGAATT CCAGGGTGGCGGATATTCCAATAAAGCC	M Y I R V S Y D T K P D S L L H L M V K

20	40 120	60 180	80 240	100	120 360	140 420	160 480	180 540	200
., 4	F ITT	T. A.C.C	D GAT	P CCA	O CAG	I	L CTG	V GTG	E GAA
K 3 AAA			_	_	_	~	•	_	O CAA G
v GTG	AAC	M ATG	999 1	A GCT	Y 3 TAC	F TTC	L 3 CTG	L CTC	_
M ATG	ر CAG	A GCT	V GTA	I ATT	> GTG	H	R AGG	P CCC	CTG
L CTC	L	A GCT	H	ი <b>წვგ</b>	R AGA	T ACC	R G	V GTG	Y . TAC
H CAT	ာ တို	K AAG	s AGC	I ATA	T ACA	H	L CTG	ပ ဗွ	GAA
r Cro	. p	I ATC	I ATC	A GCT	V GTA	S TCC	K AAG	Q CAG	r. TTG
1 CT	Н	L CTG	V GTT	ဂ TGT	D GAT	N AAC	V GTG	ი გგ	v GTC
s TCA	V GTG	ပ္ ညွ	o GGT	V GTT	K AAG	N AAC	E GAG	L CTG	I
D GAC	S TCT	K AAA	T ACA	ස දුර	GGA GGA	L	<b>₽</b>	R AGA	s TCC
P CCA	I ATA	ე ე	s AGC	ი გ	V GTT	V GTG	ი გ	T ACA	V GTG
K AAG	L TTA	F TYT	V GTC	R AGA	L CTG	S TCT	Y TAT	N AAC	v GTG
ACC	r Cito	V GTC	G GGT	s TCC	GAC	r. CTO	K AAG	I ATC	N AAC
D GAC	K AAG	CAA	ე ე	K AAG	E GAA	K AAG	ი გ	K AAG	P CCT
$^{ m Y}$	<sup>م</sup> 2	к <b>да</b> а	T ACC	s TCC	K AAG	S AGT	r Cr	O CAG	ი გმ
s TCC	L CTC	r. CTG	F	S	n AAT	L CTA	T ACC	CIC	ა <b>ე</b>
V GTA	GAA	K AAG	I ATC	CAC	E GAG	P	ი ე	S	E GAG
R CGT	CTG	P	¥ ₹	D GAC	V GTG	N AAC	N AAT	IATC	V GTG
I ATC	C.A.C.	C.A.G.	A CC	K AAA	I ATC	s TCC	GAC CAC	CAC	V GTG
$^{ m Y}$ TAT	™ TGG	M ATG	ი გ	13 E	ი მ	M ATG	A GCT	K AAG	CTC
M ATG	D	E GAG	T ACC	₽ 900	¥ TGG	T	r Sf	GAA	G GGT

# FIG. 6A

Applanto.: 08/862,442 Page 44 of 20 Applant(s): Andrew W. Shyjan COMPOSITIONS AND METHODS FOR THE DIAGNOSIS, PREVENTION AND TREATMENT OF TUMOR PROGRESSION

# FIG. 6B

220	240 720	260 780	280 8 <b>4</b> 0	300	320 960	340 1020	360 1080	380 11 <b>4</b> 0	400
S	L CTT	GC A	EGAG	S TCT	Q CAG	S AGC	K AAA	R CGC	>
L CTG	Q CAG	F	S	V GTA	S AGC	D GAC	ი გ <b>ი</b>	P	Ы
IATC	E GAG	L CTG	G GGT	N AAC	R CGA	T. ACG	R AGA	D GAC	æ
DGAC	R AGG	C.A.G	M ATG	T. ACA	A CA	۳ کی در	G GGA	T ACT	Ω
S TCG	r Cr	H	R AGA	ი <b>ფვ</b>	I ATA	D CCC	ი გე	E GAA	IJ
<b>₽</b>	s TCC	S	F	K AAA	D GAC	A CA	K AAG	E GAA	Ħ
R CGT	E GAG	CAA	V GTG	L CTG	V GTG	L CTG	T ACC	E GAG	æ
ი გე	N AAT	A S	TACT	L CHG	ස ර	s AGC	T ACC	v GTG	Ø
s AGC	I ATA	K AAG	V GTC	A GC	AAC	ი <b>ფვ</b>	A GCC	E GAA	团
ი გ	I ATA	N AAT	r Ci	T ACT	¥ TGG	L CTG	M ATG	E GAG	Ы
D GAT	G GGA	Y TAT	E	L TTA	A GCT	P CCC	P	K AAA	Ø
ဂ ဦ	ပ ဗွ	N AAT	X AAA	I ATT	r CTG	T. ACG	P CCA	V GTG	z
I ATT	E GAA	F	K AAG	A SS	A SS	¥ TGG	K AAG	K AAA	>
V GTG	E GAA	T ACA	K AAG	M ATG	IIG	H CAC	ñ AAG	ა ე	3
V GTG	ာမြှော်	AAA	M ATG	E GAG	s AGC	P	E GAG	K AAA	Z
PCCT	Y TAC	CAG	၁	I	L	ა გ	K AAG	K AAG	Ч
IATC	K AAG	I ATT	E GAG	D	O CAG	F	E GAG	K AAG	ч
CCC CCC	H	T ACC	M ATG	CAG	D GAT	V GTC	T ACG	ල පු	щ
PCCT	& 90 €0	V GTT	I ATA	Q CAG	P CCA	F TYFT	A GCC	k AAA	н
E	F TTT	CITA	I ATT	ი გმ	A GCT	I ATC	AAA	ე ე	×

Appln No.: 08/862,442

Page 15 of 20

plicant(s): Andrew W. Shyjan

MPOSITIONS AND METHODS FOR THE DINOSIS,

PREVENTION AND TREATMENT OF TUMOR

PROGRESSION

FIG. 60

1200	420 1260	440 1320	460 1380	480 1 <b>44</b> 0	500 1500	520 1560	540 1620	560 1680	580	600	620 18 <b>6</b> 0
GTC	F ITT	L CTT	L CTC	T ACT	CTT	K AAG	Y TAT	F	K AAG	D GAT	Н
TTA (	H CAC '	ACA (	S AGC (	Y T'AC	A GCT	A AAA	CAG	V GTG	Y	r Trig	K AAG
GCT	CAA	A.A.C.	I ATC	N AAC	AAA	K AAA	F	A GCA	CH C	DGAC	Y TAT
GAT	M ATG	۵ ک <u>ې</u>	Н	ဂ <b>1</b> 60	PCCT	A AA	යි දි	M ATG	K AAG	CA C	s TCC
CTA	N AAC	P	Y TAC	ස වූ	R AGG	AAA	S AGT	K AAA	ပ ဖြင့်	s TCC	CAG
ATG	v GTG	G GGT	D GAT	Y TAC	K AAG	K AAG	V GTG	O CAG	4 2 2 2	I ATC	DGAC
909	G GGA	L CTG	P	A GCC	P CCA	ი გ	A GCC	გ ე	v GTG	D GAC	L TTA
CAA	N AAC	R AGA	P (2)	ი გ <b>ვ</b>	<b>ი გ</b>	X AAA	P	K AAA	L CTG	D GAT	L TTA
GAG	E GAA	ACA	r Ciri	GGA	F	A GCT	D GAC	M ATG	₽ 9	v GTG	E GAG
TTG	I ATT	N AAC	N AAC	M ATG	L	P	GAC	L CTG	K AAG	L CTG	L TTG
GCT	r. CTG	${\rm Y} \\ {\rm TAT}$	s AGC	L CTC	N AAC	P CCT	V GTG	V GTG	A GCC	D GAT	A GCT
AAT	r CTC	CIT	K AAG	Y TAC	N AAC	E GAG	D GAT	A GCA	MATG	s AGT	City
GTG	K AAG	E GAG	K AAA	E GAG	Y TAC	D GAT	I ATT	W TGG	S AGC	E GAG	Q CAG
TGG	v GTG	E GAG	> GTG	r CTC	13 F.	D GAT	D GAC	v GTG	E GAG	s TCC	ი გ
AAC	F	L CTG	D GAT	V GTG	T ACC	E GAA	I ATC	M ATG	E GAA	S	F
CTG	GAC	R AGG	R AGG	L CTC	R CGG	M ATG	E	CIG	ე <b>ე</b>	E GAG	GAC
CTG	or c	P CCG	v GTG	უ ე	F	ი წ	E GAA	E GAG	R CGA	CAC	K AAA
GAG	R CGT	I ATT	r Circ	I ATC	N AAC	r Crig	E GAG	H CAC	C. A.C.	₹ DDS	s TCC
ATA GAG	D GAT	T ACC	r CTG	DGAC	K AAA	CTT	K AAG	F	w TGG	M ATG	AAT
AAG	L TTA	L CTG	H	I ATA	8 9 9	A A A	X X	P CCC	٦ 5	<b>&amp;</b>	N AAC

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Appln No.: 08/862,442 Page 16 of 20 Appl (s): Andrew W. Shyjan COMPOSITIONS AND METHODS FOR THE DIAGNOSTS, PREVENTION AND TREATMENT OF TUMOR PROGRESSION

640 1920	660 1980	680 2040	700	720 2 <b>160</b>	740 2220	760 2280	780 23 <b>4</b> 0	800 2400	820 2 <b>46</b> 0
T ACC	O CAG	K AAG	D GAT	N AAT	K AAA	K AAG	L CTG	S	K AAA
s TCG	S AGC	r CTG	Y TAT	GAA	K AAA	V GTC	I ATC	V GTG	CAG
N AAC	ည်င်	ဗ ည	T ACA	E GAG	H	I ATT	v GTC	I ATC	s AGC
S AGC	T	CCC	۲۳ ک	E GAA	E GAG	D CCC	Y TAC	Y TAC	CTC
¥ V	H	AAC AAC	F	AAA	N AAC	A GCG	N AAC	s Tcc	A A A A
AAC	A GCT	K AAG	GAA	GAA	E GAG	N AAC	F	I ATC	ი ემ
X AAA	I ATT	% 90	r Tig	K AAA	E GAG	Y TAT	r CTG	v GTC	P CCA
1 E	F	M ATG	F	ဗ ဗွ	D	F	7. C. T. C.	I ATC	GAA
E GAG	D GAC	7 D	L TTG	D GAT	ුව වු	K AAA	CIG	w TGG	S
Y	7. 200	L CTG	I ATC	E GAG	K AAG	C TGT	Y TAC	E GAG	M ATG
T ACC	H CAC	R AGA	T ACC	N AAC	R AGA	I ATC	ი ეგ	O CAG	L CTC
L CTG	K AAA	g Gg	P	GA.	S TCA	K AAA	L TTG	1 CTC	IATC
circ Circ	A CC	M ATG	P	K AAG	ပ္ ပ္ပ	ACA	Y	S TCC	E GAG
A A A	A GCA	™ TGG	r. CTA	S	A GCT	ი <b>გე</b>	s TCA	P CCG	R CGA
M ATG	V GTG	M ATG	r Cirj	ACA H	D GAT	I ATC	I ATA	w TGG	I ATA
A GCT	A GCC	D GAT	I ATT	o §	A GCA	P	T ACA	ი გგ	K AAG
IATC	L CTG	T ACC	უ ე	Y TAT	N AAT	I ATC	$^{ m Y}$	D GAT	E GAG
o 580	X AAA	r CTG	M ATG	s TCG	gg a	I AIT	F TTY	M ATG	L TTA
E	CIC	L CTG	I ATC	F	D GAT	R AGA	w TGG	ж Од	<b>A</b> 600
GAC	ာ ညီ	M ATG	V GTT	D GAT	TACG	o ₹	F	v GTG	1 5 515

### FIG. 6D

Appln No.: 08/862,442

page 17 of 20 icant(s): Andrew W. Shyjan

COMPOSITIONS AND METHODS FOR THE DIAGNOSIS,

PREVENTION AND TREATMENT OF TUMOR

PROGRESSION

840 2520	860 2580	880 2640	900	920 2760	940 2820	960 2880	980 2 <b>94</b> 0	1000	1020 3060	1040
F	I ATC	K AAG	v GTG	P CCA	I ATC	c IGT	W TGG	L CTG	w TGG	ه درو
ACA	V GTG	N AAC	F	H	M ATG	P CCT	A 500	N AAC (	STG 7	P CCA CA
S TCC	R CG 6	V GTC	Y TAC	L CTG	¥ TGG	PCCT	ပ ပ	org	CAG CAG	CCC C
I ATT	ი მ	s GGT	L CTG	I ATT	Y TAC	n AAT	ر کرک	r CTG	N AAC (	cite o
A GCC	Y TAT	F	M ATG	& သိ	P CCC	I ATT	I ATC	CTG	s TCC ,	v GTC (
v GTG	ე ე	I ATC	D GAC	CAA	M ATG	E GAA	ာ <b>T</b> GT	IATIC	I ATA	4 7)
LCTC	M ATG	D GAC	I ATC	R CGT	Y TAC	M ATG	P CCC	N AAC	S TCA	R AGG
D GAT	Y TAC	L CTG	M ATG	A GC CC	F	A CC	P CCT	A GCC	K AAA	D GAC
T ACA	P CCC	v GTC	M ATG	V GTA	I ATC	Y TAC	L	V GTC	V GTA	H
IATC	CAS SAG	R CGT	K AAG	ი გვ	N AAC	r CTC	۳ کی ک	L CTG	E GAA	F
AAC	N AAC	I ATC	G GGA	F TIC	R CGA	D GAC	K AAG	L	F	ACA
w TGG	CAG CAG	Y	I ATT	S AGT	& S	I ATA	ဗ ဗ္ဗ	Y TAT	F	MATG
Y TAC	L	₩ TGG	M ATG	M ATG	CTG	C. A.C.	E GAG	ပ ညီ	ACT.	IATT
E GAG	ය රි	F TTC	M ATG	L CTC	K AAA	D GAC	E GAG	A GCG	N AAT	CTG
O PS	L	I ATC	V GTG	V GTG	¥ ₹	A S	D GAT	M ATG	N AAC	O CAG
CTT	I ATT	IATC	Y TAC	V GTC	S	F	Y TAT	L CTC	F	Y TAT
¥ TGG	A SS	D GAT	Р СС <b>А</b>	L CTG	PCCC	V GTG	L CTA	A GCA	v GTG	R CGA
v GTT	ი გეგ	v GTG	ი გე	M ATG	K AAG	E GAG	N AAC	CCA	A GCT	CAG
K AAA	I ATT	ာ <b>T</b> GT	L CTG	IATC	E	ი <b>ფვ</b>	E	ACT.	I	F
IATC	M ATG	Y TAC	Y TAT	v GTC	E GAG	Y TAT	GGT	CIC	CTC.	K AAG

## :1G. 6E

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1060 3180	1080 3240	1100	1120 3360	1140 3420	1160 3 <b>4</b> 80	1180 3540	1200 <b>3600</b>	1220 3660	1240 3720
_				r n	ε.	C.	7.1	7.)	(h
K AAA	E GAG	K AAG	E GAA	L CTG	A GCT	S TCT	Y	S TCC	K AAG
AGG	D GAC	E GAG	V GTT	S	n AAT	A GCT	ე ეგ	r CHC	E GAG
ပ ၌	SAGC	ය දි	R AGA	T ACT	V GTG	۳ C ک	D GAT	S TCT	E GAA
ස ධ්	r Ciri	F	E GAA	K AAA	M ATG	S TCC	A GCT	T ACA	K AAG
ပ ပွဲ	F	H	S TCT	M ATG	R AGA	ය රිටි	s AGC	D GAT	I ATA
s AGC	L CTC	E GAG	TACT	F	N AAC	4 25 43	N AAT	EGAG	R CGT
CIC	K AAG	CAG	V GTC	TACT	S	CAG	IATC	F TTT	F
R CGT	r TTG	V GTG	ය දුර	E GAA	L TTA	I ATC	s AGC	L TTA	s TCC
M ATG	ი გე	၁ ညီ	I ATC	R AGA	E GAA	r CTG	S AGC	L TTA	c TGT
I ATT	R CGT	Q CAG	R CGC	E GAA	E GAA	D GAC	O &	E GAG	T ACC
I	D GAT	E GAG	E GAG	N AAT	L	S TCT	00 00 00 00 00 00 00 00 00 00 00 00 00	E GAA	AAA
IATC	75 CGG	E GAG	DGAC	I ATC	CAG	R AGG	C IC	ი <b>ცვ</b>	A AAA
Y	E GAA	F	SAGC	E GAA	A GCT	D	L	N AAC	A A G G
I	E GAG	E GAG	s TCC	GAA	L	I ATC	Y TAT	F	STC <
CAC	CAA	H CAT	s TCG	L TTG	R CGA	ი გმ	T ACG	H	ი <b>გ</b>
SAGC		1 CF .	C.A.G	R AGG	L	A GCG	GCA GCA	Y TAT	ACA
L	უ ე	R AGG	CAG CAG	M ATG	DGAC	CIT	E GAG	R CGA	ი გ
I ATT	GAA	K AAG	E GAG	s TCA	V GTT	N AAT	C TGT	Y TAT	CCA CCA
I ATC	R AGA	LCTA	D	M ATG	ACT.	E GAA	E GAA	L TTG	ა <b>ქ</b>
M ATG	K AAG	E GAG	E GAG	N AAT	CAG		S	s AGC	T. ACG
									•

## FIG. 6F

Apple No.: 08/862,442 Page 19 of 20 lant(s): Andrew W. Shyjan

COMPOSITIONS AND METHODS FOR THE DIAGNOSIS, PREVENTION AND TREATMENT OF TUMOR

**PROGRESSION** 

1260 3780	1280 3840	1300	1320 3960	1340 4020	1360 4080	1380 <b>414</b> 0	1400	1420 4260	1440 4320
T ACA	E GAA	D	Q CAG	T ACT	N AAT	G GGT	W TGG	S TCG	Н
ပ ပို	A GCT	T ACA	G GGA	ი გმ	I ATC	V GTC	GAA	V GTG	CAC
CH CH	N AAC	O CAG	H	E GAA	T ACG	L CTG	T ACG	I ATT	E GAA
s TCA	K AAG	R AGA	I ATA	I ATA	E GAA	K AAG	T ACG	Y TAC	D GAT
CIT	L TTA	E GAA	V GTG	N AAT	D GAT	R AGA	L TTG	P CCT	⇔ K
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Apple No.: 08/862,442 Page 20 of 20 Apple of t(s): Andrew W. Shyjan COMPOSITIONS AND METHODS FOR THE DIAGNOSIS, PREVENTION AND TREATMENT OF TUMOR PROGRESSION

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